

Pittosporum lanipetalum

Assessment by: Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.



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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Rosales	Pittosporaceae

Taxon Name: *Pittosporum lanipetalum* Tirel & Veillon

Taxonomic Source(s):

Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

Assessment Information

Red List Category & Criteria: Vulnerable D1 [ver 3.1](#)

Year Published: 2017

Date Assessed: July 23, 2015

Justification:

Pittosporum lanipetalum is a rare endemic shrub known only from Roches de la Ouaième in New Caledonia. It is found in open shrubland on volcano-sedimentary substrate, its area of occupancy and extent of occurrence are both equal to 8 km². A fire outbreak could affect individuals present in open vegetation zones but likely would not affect the entire population in a single event. According to several field observations, population size is estimated to be fewer than 1,000 mature individuals. Using criteria D, *P. lanipetalum* qualifies for listing as Vulnerable (VU) D1.

Geographic Range

Range Description:

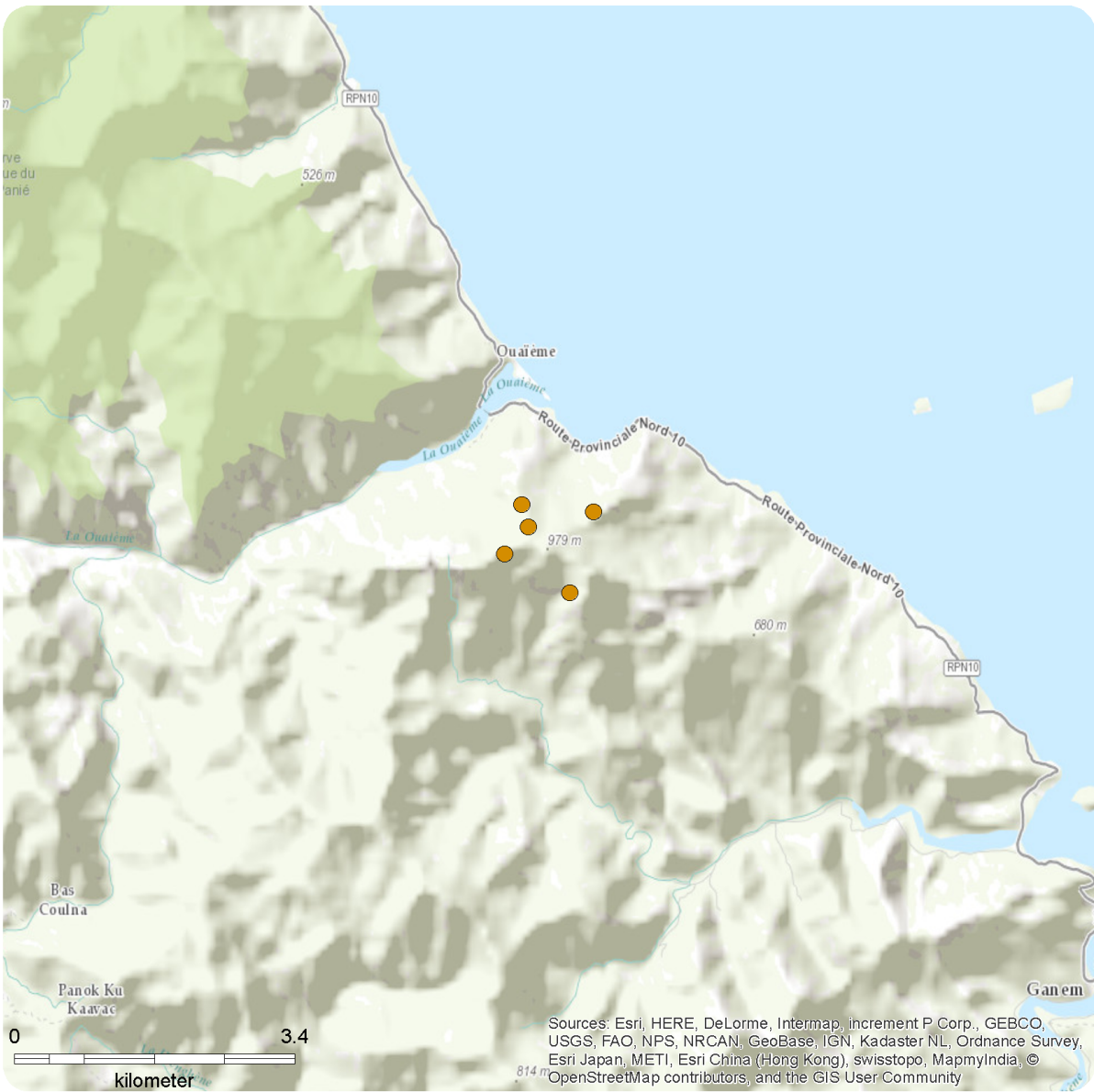
Pittosporum lanipetalum is a rare endemic shrub known only from Roches de la Ouaième in New Caledonia.

Country Occurrence:

Native: New Caledonia

Distribution Map

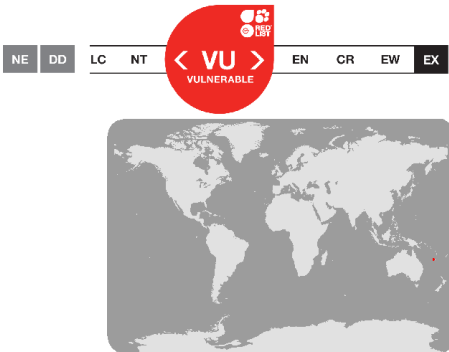
Pittosporum lanipetalum



Range

- Extant (resident)

Compiled by:
IUCN SSC New Caledonia Plants RLA



Population

With only one subpopulation known, population size is estimated to be fewer than 1,000 mature individuals.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

Pittosporum lanipetalum is a species of open shrublands on volcano-sedimentary substrates.

Systems: Terrestrial

Threats (see Appendix for additional information)

A fire outbreak could affect individuals present in open vegetation zones but likely would not affect the entire population in a single event. Uncontrolled bushfires sweep across New Caledonia each year, especially during the dry season (an average of 20,000 ha of land is burnt each year, with dramatic peaks of 70,000 ha). These fires contribute significantly to habitat fragmentation and hence a dramatic decline in the quality of habitat.

Conservation Actions (see Appendix for additional information)

Pittosporum lanipetalum is not protected by any legislation nor does it occur in any protected areas.

Credits

Assessor(s): Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.

Reviewer(s): Tanguy, V.

Contributor(s): Vandrot, H.

Facilitators(s) and Compiler(s): Chanfreau, S.

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Hély-Alleaume. 2012. INC : Incendies et biodiversité des éco-systèmes en Nouvelle-Calédonie.

IUCN. 2017. The IUCN Red List of Threatened Species. Version 2017-3. Available at: www.iucnredlist.org. (Accessed: 7 December 2017).

Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

Citation

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
3. Shrubland -> 3.5. Shrubland - Subtropical/Tropical Dry	-	Suitable	-

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: No
Invasive species control or prevention: No
In-Place Species Management
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 8
Continuing decline in area of occupancy (AOO): No
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 8
Continuing decline in extent of occurrence (EOO): No

Distribution
Extreme fluctuations in extent of occurrence (EOO): No
Continuing decline in number of locations: No
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 600
Upper elevation limit (m): 980
Population
Number of mature individuals: 250-999
Continuing decline of mature individuals: No
Extreme fluctuations: No
Population severely fragmented: No
No. of subpopulations: 1
Extreme fluctuations in subpopulations: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: No
Generation Length (years): 0

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